| Index of Claims |            |  |           |          |                        |          |           |           |           |          |            |       |          |            |          |           |          |              |           |              |          |               | Reexamination |                  |          |               |              |          |                 |                    |   |
|-----------------|------------|--|-----------|----------|------------------------|----------|-----------|-----------|-----------|----------|------------|-------|----------|------------|----------|-----------|----------|--------------|-----------|--------------|----------|---------------|---------------|------------------|----------|---------------|--------------|----------|-----------------|--------------------|---|
|                 |            |  |           |          |                        |          |           |           |           |          |            |       |          | 09/892,139 |          |           |          |              |           |              |          |               |               | MIZUSHIMA ET AL. |          |               |              |          |                 |                    |   |
|                 |            | Ш  |           |          |                        |          |           |           |           |          |            |       |          |            |          | Examiner  |          |              |           |              |          |               |               |                  | Art Unit |               |              |          |                 |                    |   |
|                 |            |  |           |          |                        |          |           |           |           |          |            |       |          |            |          | Hanh Phan |          |              |           |              |          |               |               | 2638             |          |               |              |          |                 |                    |   |
|                 |            |  |           |          |                        |          |           |           |           |          |            |       |          |            |          | Пс        | 11111    | <u> </u>     | di        | <u>'</u>     |          |               |               |                  | 20       | <del>50</del> |              |          |                 |                    |   |
|                 |            |  |           |          |                        | $\neg$   |           | ſ         | $\exists$ |          | /TI        | hrou  | ıgh n    | 11177      | OFS      | (les      |          |              |           |              |          |               |               | П                |          |               |              |          |                 |                    |   |
|                 |            | √  | Re        | eje      | cte                    | ď        |           |           | -         | •        | ( ) )      | Cá    | ancel    | led        | 816      | 117       |          | N            |           | Non-E        | -Elected |               |               | A                | Appeal   |               |              |          |                 |                    |   |
|                 |            | H  |           |          |                        | $\dashv$ |           | ŀ         | $\dashv$  |          |            |       |          |            |          | $\dashv$  | $\vdash$ | t            |           |              |          |               | Н             |                  |          |               | ㅓ            |          |                 |                    |   |
|                 |            | =  | Α         | llo      | lowed                  |          |           | Ì         | ÷         |          | Restricted |       |          |            | 1        |           |          |              |           | interference |          |               |               | 0                | Objected |               |              |          |                 |                    |   |
|                 |            |  |           |          |                        |          |           |           |           |          |            |       |          |            |          |           |          |              |           |              |          |               | ш             |                  |          |               |              |          |                 |                    |   |
| Cla             | aim        | n Dat  |           |          |                        | ate      |           |           |           |          | Claim      |       |          |            |          | Date      |          |              |           | Cla          |          | aim           |               |                  |          | Dat           | e            |          |                 |                    |   |
| -               | <u>اھا</u> | 12   |           |          |                        |          | Ì         |           |           |          |            |       | la l     |            |          |           |          |              |           |              |          |               | la l          | Ш                |          |               | l            |          |                 |                    |   |
| Final           | Original   | 02/13/01   |           |          |                        |          |           |           | ı         |          |            | Final | Original |            |          |           |          |              |           |              |          | Final         | Original      | П                |          |               |              |          |                 |                    |   |
|                 |            | 02   | /         |          |                        |          |           |           | $\perp$   |          |            |       |          |            |          |           | ┸        |              | $\perp$   |              |          |               |               | Ш                | $\perp$  |               | <u> </u>     | <u> </u> |                 | $oldsymbol{\perp}$ |   |
|                 | 70         | V  |           |          | _                      |          | $\dashv$  | 4         | 4         | _        |            |       | 51       | $\dashv$   | 4        | -         | +        | +            | $\perp$   | ++           | 4        | _             | 101<br>102    | Н                | _        | +             | ╁            | -        | $\vdash$        | +-                 |   |
|                 | 8          | -  | $\dashv$  | _        | $\dashv$               | -        | -+        | -         | $\dashv$  | ᅱ        |            |       | 52<br>53 |            | $\dashv$ |           | +        | ╁╌           | +         | ++-          | -        | <u> </u>      | 102           | Н                | +        | ╁             | +            | ┢        | -               | ╁                  |   |
|                 | 4          | _  |           |          | $\exists$              | 寸        | 7         | $\exists$ |           | ╗        |            |       | 54       |            | 士        | İ         |          | T            | 1         |              | ]        |               | 104           |                  |          | 工             |              |          |                 |                    |   |
|                 | 5          | V  |           |          |                        |          |           |           |           | $\Box$   |            |       | 55       |            |          | 4         | $\perp$  | 1            | Ŧ         | 14.          | ]        |               | 105           | Ш                | 4        |               | $\downarrow$ | ļ        |                 | _                  |   |
|                 | 6          | V  | Н         | $\dashv$ | $\dashv$               | $\dashv$ | -         | $\dashv$  | $\dashv$  | ႕        |            |       | 56<br>57 |            | -+       | +         | +        | ╁            | ╀         | ++           | -        |               | 106<br>107    | $\vdash$         | +        | ╁             | +            | -        | $\dashv$        | +-                 | { |
|                 | 8          | J  | Н         |          |                        | 十        | $\dashv$  | ┪         | $\dashv$  | -        |            |       | 58       | $\dashv$   | 寸        | 十         | $\top$   | $\dagger$    | $\dagger$ | ++           | 1        |               | 108           |                  |          | +-            | T            |          | $\Box$          |                    | j |
|                 | 9          | V  |           |          |                        |          |           |           | $\Box$    |          |            |       | 59       |            |          | 1         | 工        |              | I         |              | ]        |               | 109           |                  |          |               |              |          | $\Box$          | F                  |   |
|                 | <u>(10</u> | 1/   | $\square$ | $\dashv$ |                        | $\dashv$ | -         | $\dashv$  | -         |          |            |       | 60<br>61 | -          | -        | 4         | +        | -            | ╬         |              | -        |               | 110<br>111    | $\vdash$         | +        | +-            | $\vdash$     | ├-       | $\vdash$        | +                  | 1 |
|                 | 11<br>12   | <u> </u>   | Н         | -        | -                      | $\dashv$ | ┪         | -         | $\dashv$  | $\dashv$ |            |       | 62       | $\dashv$   |          | +         |          | t            | ╁         | ++-          | 1        | $\vdash$      | 112           | $\vdash$         | _        | +             | +-           |          | -               |                    |   |
|                 | 13         |  |           |          |                        |          |           |           | 1         |          |            |       | 63       |            |          |           |          |              | I         |              |          |               | 113           |                  | 1        |               |              |          |                 | $\perp$            | ] |
|                 | 14         |  |           |          |                        | _        | _         | 4         | -         | 4        |            |       | 64       | _          | $\dashv$ | $\dashv$  | -        | $\perp$      | 4         |              | -        |               | 114<br>115    | -                | $\perp$  | +             | -            | -        | $\vdash \vdash$ | +                  |   |
|                 | 15<br>16   | -  | Н         | $\dashv$ | $\vdash$               | $\dashv$ | -         | $\dashv$  | $\dashv$  | $\dashv$ |            |       | 65<br>66 | $\dashv$   | $\dashv$ | $\dashv$  |          | +            | +-        |              | -        | <u> </u>      | 116           |                  | +        | +             | +            |          |                 | +                  | 1 |
|                 | 17         | $\vdash$   | Н         | $\dashv$ |                        | 寸        |           |           |           |          |            |       | 67       |            |          |           |          |              | $\pm$     |              | ]        |               | 117           |                  | 士        |               |              |          |                 |                    | ] |
|                 | 18         |  |           |          |                        | $\Box$   |           |           |           |          |            |       | 68       |            |          | _         | _        | 4            | 1         |              | 4        |               | 118           | ļ                | $\perp$  | -             | <del> </del> | <b>├</b> |                 | +                  |   |
|                 | 19<br>20   | -  | Н         |          | $\dashv$               | -        | -         | $\dashv$  | -+        | -        |            |       | 69<br>70 |            | $\dashv$ | $\dashv$  | +        | +            | ╁         |              | -        |               | 119<br>120    | ┢                | +        | +             | ╁╌           | $\vdash$ | $\vdash$        | +                  |   |
|                 | 21         | -  | Н         | H        |                        | $\dashv$ | _         |           | +         |          |            |       | 71_      |            |          |           |          | t            | 1         | 7 1          |          |               | 121           |                  |          |               | L            | L        |                 | 工                  |   |
|                 | 22         |  |           |          |                        | $\Box$   | $\Box$    |           | $\Box$    |          |            |       | 72       |            |          |           |          | $\perp$      | Ţ         |              | ]        | L             | 122           | Ļ.               | _        |               | ↓_           |          |                 | _                  |   |
|                 | 23<br>24   | ļ  | Н         |          | $\vdash$               | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$  | _        |            |       | 73<br>74 | -1         | $\dashv$ | $\dashv$  | +        | +            | +         | ++           | -        | <u> </u>      | 123<br>124    | ╁                | +        | +             | +-           | ╁        | $\vdash$        | +-                 | - |
|                 | 25         | <del>                                     </del> | Н         | $\vdash$ | $\vdash$               | -        | $\dashv$  | $\dashv$  | $\dashv$  |          |            |       | 75       | $\dashv$   |          | $\dashv$  | +        | $\dagger$    | $^{+}$    |              | 1        |               | 125           |                  | $\dashv$ | $\dagger$     | †            | t        |                 | $\top$             | • |
|                 | 26         |  |           |          |                        |          |           |           |           |          |            |       | 76       |            |          | $\Box$    |          | I            | I         |              | ];;;;    |               | 126           |                  |          | Ţ             | lacksquare   |          |                 | 1.                 | ] |
|                 | 27         |  | Щ         | $\vdash$ | Ц                      |          | 4         | _         | $\dashv$  | _        |            |       | 77<br>78 |            | $\dashv$ | $\dashv$  | +        | +            | +         | ++           | -        |               | 127<br>128    | 1-               | $\dashv$ | +             | +            | -        | $\vdash$        | +                  | - |
|                 | 28<br>29   | ┢  | Н         | $\vdash$ | $\vdash$               | -+       | $\dashv$  |           | $\dashv$  | _        |            | _     | 79       |            |          | $\dashv$  | +        | +            | ╁         | +            | 1        | -             | 129           |                  | $\dashv$ | +-            | +            | $\vdash$ | $\vdash$        | +                  | 1 |
|                 | 30         |  |           |          |                        |          |           |           |           |          |            |       | 80       |            |          | $\Box$    | $\perp$  | I            |           |              | ]        |               | 130           |                  |          |               |              |          |                 | $\bot$             | ] |
|                 | 31         |  | Ш         | -        |                        | 4        | -         |           |           |          |            |       | 81<br>82 | $\dashv$   |          | $\dashv$  | - -      | +            | +         |              | -        |               | 131<br>132    | ├-               | +        |               | ╀            | ╁        | $\vdash$        | +-                 |   |
|                 | 32<br>33   | ┢  | $\vdash$  | $\vdash$ | $\dashv$               | -        | -         | $\dashv$  | $\dashv$  | -        |            |       | 83       | $\dashv$   |          | $\dashv$  | +        | ╁            | ╁         | ++           | 1        |               | 133           | +                | $\dashv$ | 十             | +            | ╁        | $\vdash$        | +                  | 1 |
|                 | 34         |  |           |          |                        |          |           |           |           |          |            |       | 84       |            |          |           |          | I            | $\perp$   |              | ]        |               | 134           |                  |          |               |              |          |                 |                    | ] |
|                 | 35         | <u> </u>   |           |          |                        | _        | _         | _         | 4         | _        |            |       | 85       | -          | 4        | $\dashv$  |          | +            | +         |              | 4        | <u> </u>      | 135<br>136    | -                |          | +             | +            | ╁        | $\vdash$        |                    | - |
|                 | 36<br>37   | ┢  | Н         | Н        | $\vdash$               | $\dashv$ | -         | -         | -         |          |            | _     | 86<br>87 | Н          | $\dashv$ | $\dashv$  | +        | ╁            | +         | ++-          | -        | $\vdash$      | 137           | $\vdash$         | $\dashv$ | +             | ╁╴           | +        | $\vdash$        | ╁                  | - |
|                 | 38         | Ĺ  |           |          |                        |          |           |           |           |          |            |       | 88       |            |          | $\Box$    |          | I            |           |              |          |               | 138           |                  |          |               | 工            |          |                 | $\perp$            | ] |
|                 | 39         | <u> </u>   |           |          | Ц                      | _        | _         | $\dashv$  |           |          |            |       | 89       | Н          | -1       | 4         |          | +            | +         |              | -        | <u> </u>      | 139<br>140    | -                |          | - -           | +            | ╀        | $\vdash$        | +-                 | - |
| -               | 40         | ┢  | Н         | Н        | Н                      | $\dashv$ |           | $\dashv$  | $\dashv$  |          |            |       | 90<br>91 | Н          | -        | $\dashv$  | +-       | ╁            | ╁         | ++-          | -        | <u> </u>      | 141           | +-               | +        | +             | ╁╌           | ╁        | $\vdash$        | +                  | - |
|                 | 42         | $\vdash$   | H         |          |                        | _        |           |           |           |          |            |       | 92       |            |          |           | 土        |              | 1         |              | ]        |               | 142           |                  |          | 上             |              |          | 口               |                    | ] |
|                 | 43         |  | П         | П        |                        | コ        | $\exists$ |           | $\Box$    |          |            |       | 93       |            | $\dashv$ | $\dashv$  | $\bot$   | $\downarrow$ | 1         | $+\Gamma$    | 4        | $\sqsubseteq$ | 143           | $\perp$          | $\perp$  | $\perp$       | $\perp$      | 1        |                 | +                  | - |
|                 | 44<br>45   | $\vdash$   | Н         | $\vdash$ | $\vdash$               | $\dashv$ | $\dashv$  | -         | $\vdash$  | -        |            |       | 94<br>95 | H          |          | +         | ╁        | +            | +         | ++           | -        |               | 144<br>145    | +-               | +        | +             | +            | +        | ++              | +                  | 1 |
|                 | 46         |  |           |          |                        |          |           |           |           |          |            |       | 96       |            | ╛        | $\Box$    | 土        | 土            | 1         |              | ]        |               | 146           |                  |          |               |              |          |                 |                    | 1 |
|                 | 47         |  |           | П        |                        |          | $\Box$    | $\Box$    | П         |          |            |       | 97       |            | $\dashv$ | -[        | $\perp$  | $\perp$      | 1         | $+\Gamma$    | -        |               | 147           | $\perp$          | $\perp$  | $\perp$       | $\perp$      | Ļ        | $\coprod$       | _ _                | - |
|                 | 48         | ├-   | $\vdash$  | Н        | $\left  \cdot \right $ | $\dashv$ |           | $\dashv$  | $\vdash$  | _        |            | _     | 98<br>99 | Н          | -        | +         | $\dashv$ | +            | +         | ++           | -        | -             | 148<br>149    | +-               | -+       | +             | +            | +        | $\vdash$        | +                  | 1 |
|                 | 50         | $\Box$   |           | Ħ        |                        |          |           |           |           |          |            |       | 100      |            |          | $\exists$ | 士        | 上            | İ         | 土土           | ]        |               | 150           |                  |          |               | I            | 上        |                 | 上                  | j |

Application/Control No.

Applicant(s)/Patent under